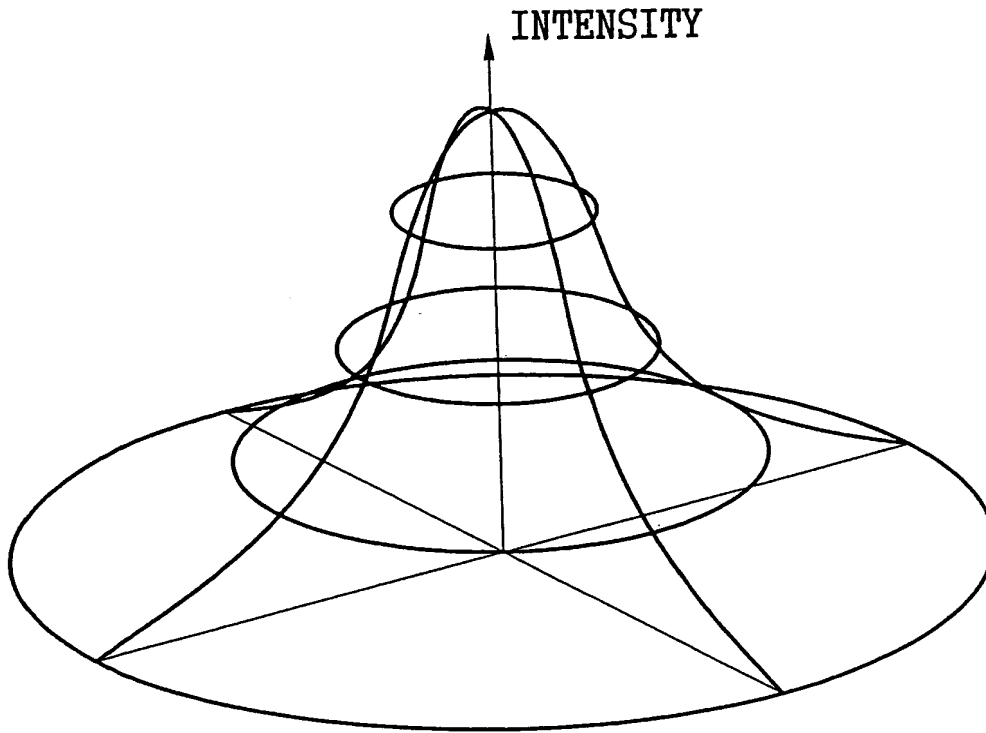


FIG. 1

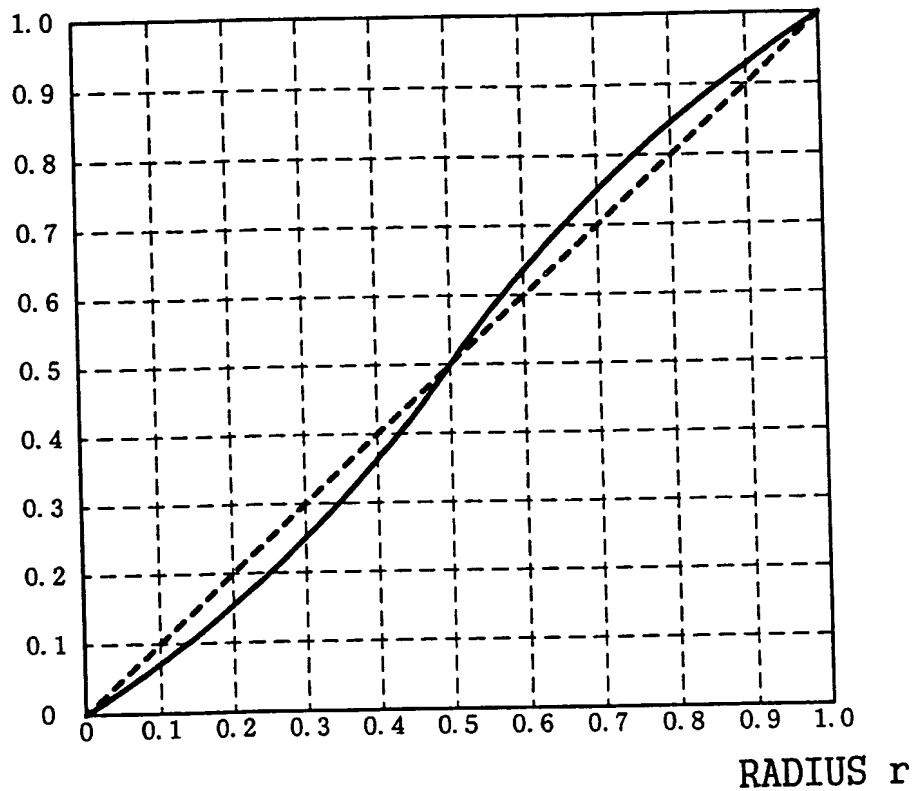


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FIG.2

CHARACTERISTIC SHOWING A RELATIONSHIP BETWEEN
OPENING RADIUS AND TRANSMISSIVITY

TRANSMISSIVITY T



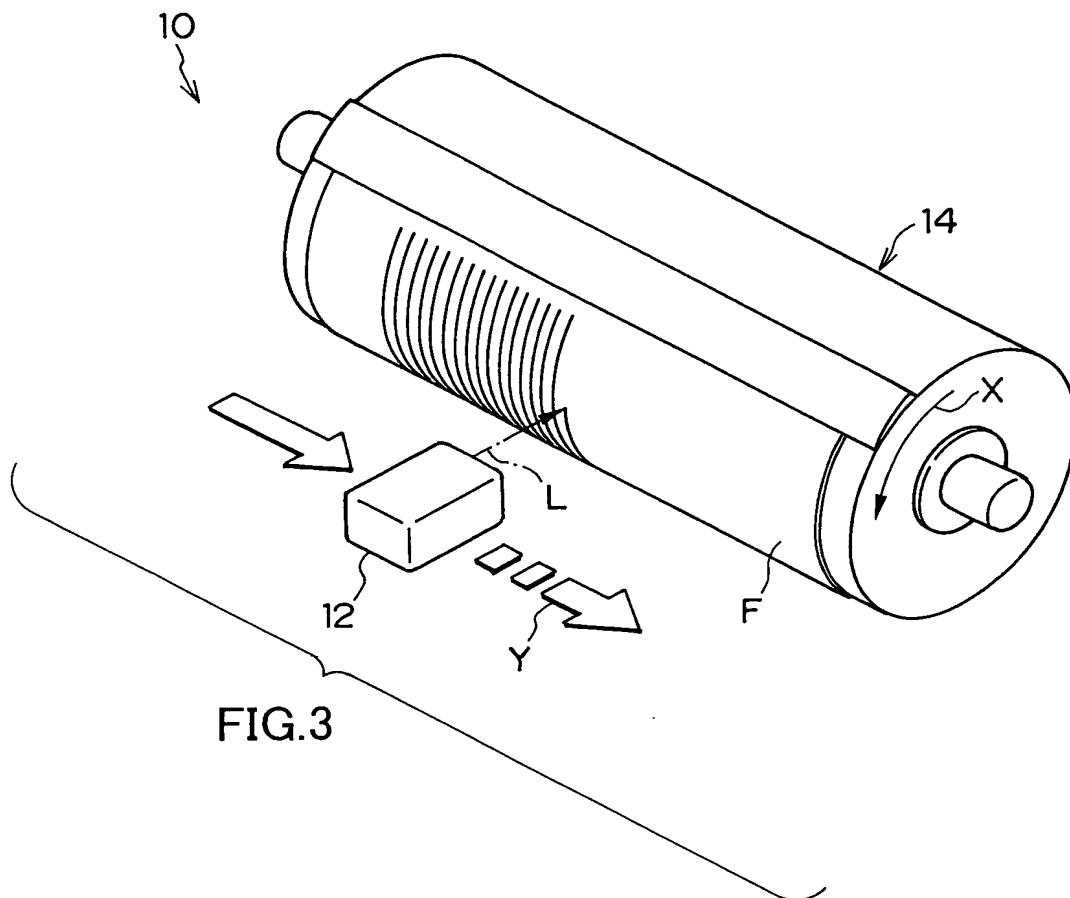


FIG.4

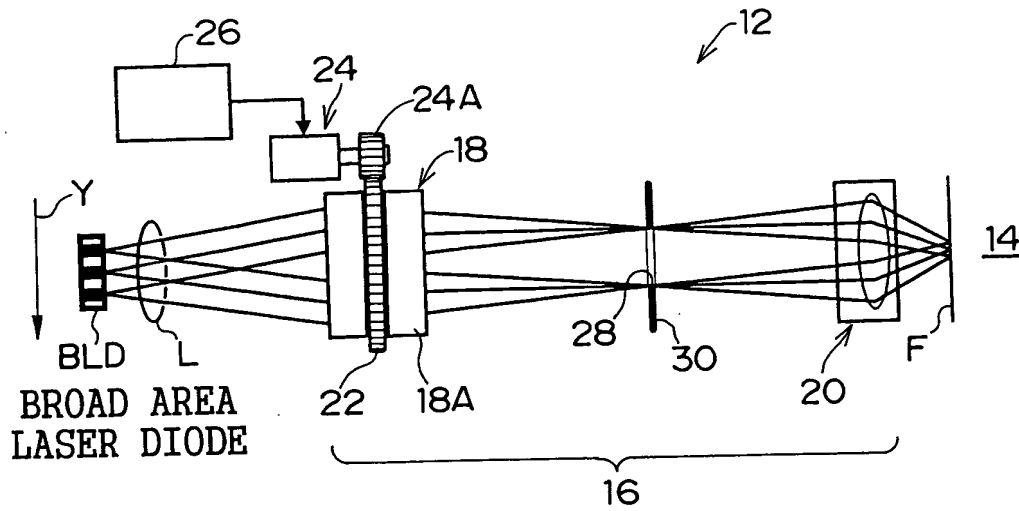


FIG.5

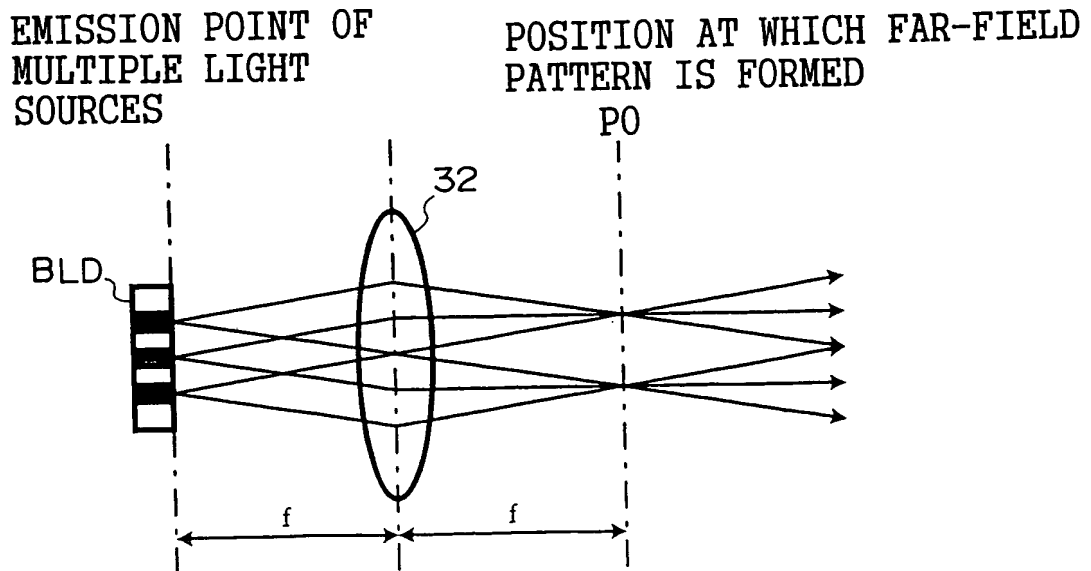


FIG.6A

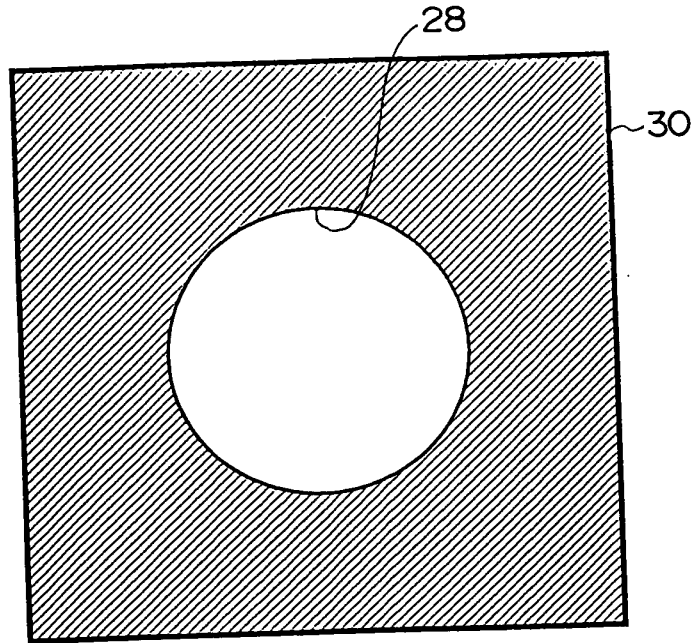
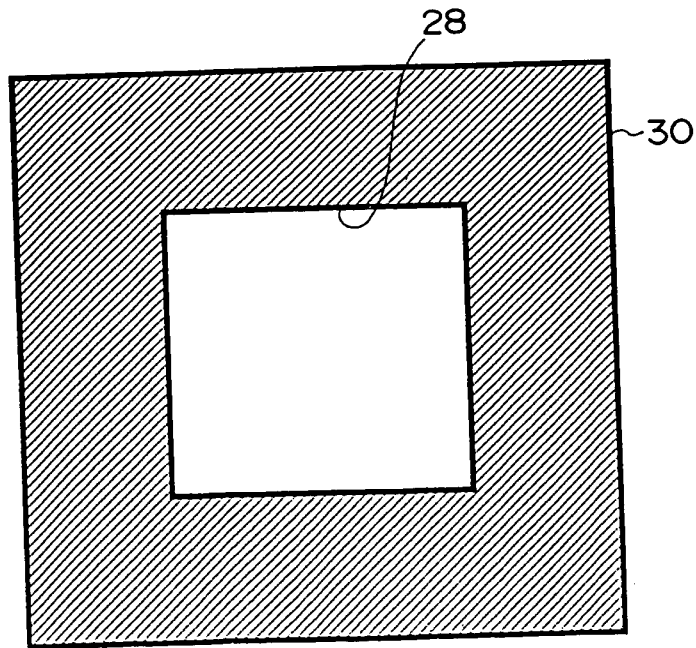


FIG.6B



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FIG. 7

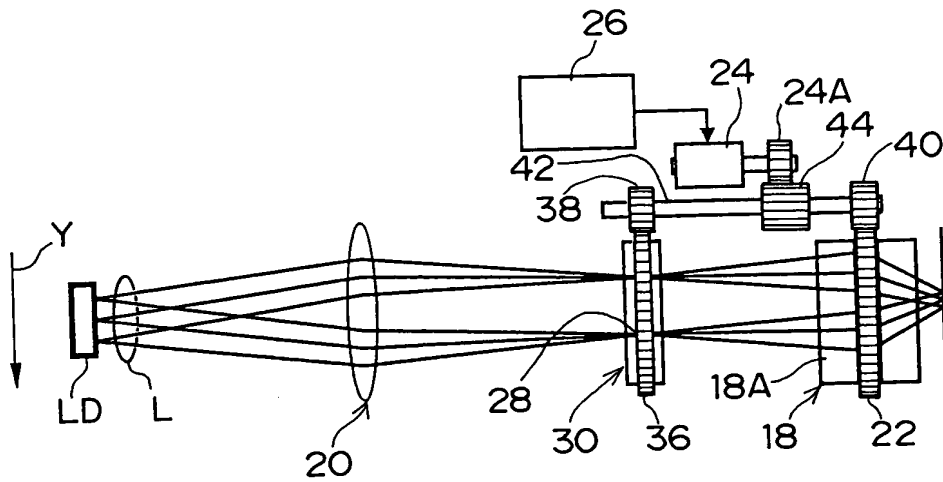


FIG. 8A

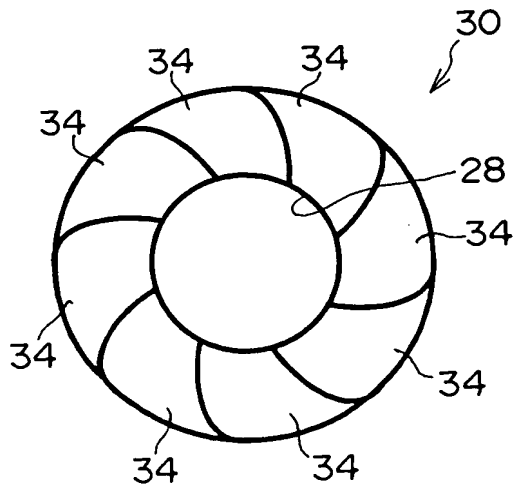
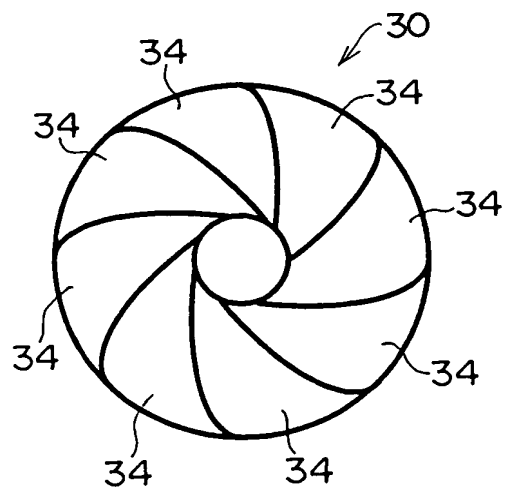


FIG. 8B



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FIG. 5A is a schematic diagram of an optical system. A light source 100 emits a beam that passes through a lens 102, then a lens 104, and finally focuses onto a target 106. The angle of incidence on the target is labeled θ_1 .

FIG. 9B

DEPTH OF FOCUS FOR ACCEPTABLE BEAM DIAMETER L1

ACCEPTABLE BEAM DIAMETER d1

θ_1

106

FIG. 9C

100 102 104 104 106 $\theta_2 (> \theta_1)$

FIG. 9D

DEPTH OF FOCUS FOR
ACCEPTABLE BEAM
DIAMETER $L_2 (< L_1)$

ACCEPTABLE BEAM
DIAMETER $d_2 (= d_1)$

$\theta_2 (> \theta_1)$

106